

SCS ENGINEERS

April 8, 2016
File No. 23212007.04

Ms. Tracy Buchanan
Ohio EPA Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Subject: Village of St. Bernard Landfill
Probe Monitoring Results, April 7, 2016

Dear Ms. Buchanan:

Enclosed please find the results of the monthly gas monitoring at MP-8F performed on behalf of the Village of St. Bernard at the closed St. Bernard Landfill on April 7, 2016. MP-8F is being monitored monthly until it meets the criteria for quarterly monitoring.

No combustible gas concentrations at or above the compliance threshold were detected at MP-8F. It is anticipated that the next monthly monitoring event for MP-8F will be performed during the first full week of May. The next event for the probes that are being monitored on a quarterly is scheduled for June.

Should you have any questions or comments, please contact the undersigned.

Sincerely,



Randall C. Mills, P.G.
Senior Project Professional
SCS ENGINEERS



James J. Walsh, P.E.
Principal
SCS ENGINEERS

cc: Chuck DeJonckheere, Hamilton County Public Health
Nick Schapman, GHD
John Estep, Mayor, Village of St. Bernard

Enclosures

Compliance Probe Monitoring Form for St. Bernard Landfill

Date: <u>4/7/2016</u>	Sampler: <u>Randall Mills</u>
Instrument: <u>GEM 5000</u>	Weather: <u>overcast, mod. breeze, occ. rain</u>
Calibration Prior to Sampling: <u>Yes</u>	Ambient Air Temperature (°F): <u>42</u>
Calibration Gas: <u>CH₄ 15%, CO₂ 15%, O₂ 4%</u>	Barometric Pressure (in Hg): <u>29.70</u>
Recalibration: <u>No</u>	Relative Humidity (%): <u>65</u>

Probe ID	Start Time	Stop Time	Gas Pressure (inches water)	Initial CH ₄ (%) by Volume	Sustained CH ₄ (% by Volume)	Depth to Water Level (feet below ground surface)	Depth to Top of Screen (feet below ground surface)	Open Screen [#] (feet)
MP-1							not known	
MP-7E							3	-3.0
MP-7H							2	-2.0
MP-8F	16:18	16:19	-0.01	0	0	6.92	4	2.9
MP-9							2	-2.0
MP-10							2	-2.0
MP-16							2	-2.0
MP-17							2	-2.0

Notes:

MP-8F is being monitored monthly, until it meets the criteria to be monitored quarterly.
The other probes are monitored on a quarterly schedule. Next quarterly event will be in June.

Signature: *Randall C. Mills*

[#] A zero or negative value indicates that the probe is watered in.